Author Index

Araújo, G.M., *see* Haridasan, M. and Araújo, G.M.
Bailey, R.L., *see* Okojie, J.A. et al.
Borders, B.E., *see* Okojie, J.A. et al.
Büttner, G., *see* Krzak, J. et al.
Cheliak, W.M. (Chalk River, Ont., Canada and Edmonton, Alta., Canada), Murray, G. and Pitel, J.A. (Chalk River, Ont., Canada)
Genetic effects of phenotypic selection in white spruce 139
Chidumayo, E.N. (Lusaka, Zambia)
Estimating fuelwood production and yield in regrowth dry miombo woodland in Zambia . 59
Delwaulle, J.C., *see* Garbaye, J. et al.
Diangana, D., *see* Garbaye, J. et al.
Dong, P.H., *see* Krzak, J. et al.
Dykstra, D.P., *see* Kowero, G.S. and Dykstra, D.P.
Farrell, E.P. (Dublin, Republic of Ireland)
Book review of *Properties and Management of Forest Soils*, by W.F. Pritchett and R.F. Fisher 223
Felker, P., Wieman, C. and Smith, D. (Kingsville, TX, U.S.A.)
Comparison of seedling containers on growth and survival of *Prosopis alba* and *Leucaena leucocephala* in semi-arid conditions 177
Felker, P., *see also* Rhodes, D. and Felker, P.
Garbaye, J. (Seichamps, France), Delwaulle, J.C. and Diangana, D. (Pointe-Noire, République Populaire du Congo)
Growth response of eucalypts in the Congo to ectomycorrhizal inoculation 151
Gardner, J.H. (Booragoon, W.A., Australia) and Malajczuk, N. (Wembley, W.A., Australia)
Recolonisation of rehabilitated bauxite mine sites in Western Australia by mycorrhizal fungi 27
Hall, J.B. (Gwynedd, Great Britain)
Book review of *Amazonian Rain Forest: Ecosystem Disturbance and Recovery*, by C.F. Jordan (Editor) 315
Haridasan, M. and Aráujo, G.M. (Brasilia, Brazil)
Aluminium-accumulating species in two forest communities in the cerrado region of central Brazil 15
Havel, J.J. (Wanneroo, W.A., Australia)
Book review of *Professional Education in Agroforestry*, by E. Zulberti (Editor) 225
Hütterman, A., *see* Krzak, J. et al.
Kellomäki, S. and Väisänen, H. (Joensuu, Finland)
Dynamics of branch population in the canopy of young Scots pine stands 67
Kowero, G.S. (Morogoro, Tanzania) and Dykstra, D.P. (Flagstaff, AZ, U.S.A.)
Improving long-term management plans for a plantation in Tanzania, using linear programming 203
Kramer, H., *see* Krzak, J. et al.
Krzak, J. (Chelan, WA, U.S.A.), Dong, P.H., Büttner, G., Hütterman, A., Kramer, H. and Ulrich, B. (Göttingen, Federal Republic of Germany)
Photosynthesis, nutrient, growth and soil investigations of a declining Norway spruce (*Picea abies*) stand in the coastal region of northern Germany 263

Linnard, W. (Cardiff, Great Britain)
Book review of *Brazil and the Struggle for Rubber. A Study in Environmental History*, by W. Dean 224
Malajczuk, N., *see* Gardner, J.H. and Malajczuk, N.
Maria Florence, E.J., *see* Sharma, J.K. et al.
Mohanan, C., *see* Sharma, J.K. et al.
Murray, G. *see* Cheliak, W.M. et al.
Nakos, G. and Vouzaras, A. (Athens, Greece)
Budgets of selected cations and anions in two forested experimental wastersheds in central Greece 85
Nohrstedt, H.-Ö. (Uppsala, Sweden)
Effect of liming and N-fertilization on denitrification and N_2-fixation in an acid coniferous forest floor 1
Nshubemuki, L., *see* Sabas, E. and Nshubemuki, L.
O'Connell, A.M. (Wembley, W.A., Australia)
Decomposition of leaf litter in Karri (*Eucalyptus diversicolor*) forest of varying age 113
Okojie, J.A. (Ibadan, Nigeria), Borders, B.E. and Bailey, R.L. (Athens, GA, U.S.A.)
Forest composition and structure during a 27-year period of observation in an untreated secondary lowland rainforest in southwestern Nigeria 247
Pitel, J.A., *see* Cheliak, W.M. et al.
Price, C. (Gwynedd, Great Britain)
Investment, reinvestment, and the social discount rate for forestry 293
Rhodes, D. and Felker, P. (Kingsville, TX, U.S.A.)
Mass screening of *Prosopis* (mesquite) seedlings for growth at seawater salinity concentrations 169
Sabas, E. (Mwanza, Tanzania) and Nshubemuki, L. (Mafinga, Tanzania)
Eucalyptus camaldulensis provenances for afforestation in Mwanza and Shinyang regions of Tanzania 127
Sankaran, K.V., *see* Sharma, J.K. and Sankaran, K.V.
see also Sharma, J.K. et al.
Sharma, J.K. and Sankaran, K.V. (Peechi, India)
Incidence and severity of Botryodiplodia die-back in plantations of *Albizia falcataria* in Kerala, India 43
Sharma, J.K., Maria Florence, E.J., Sankaran, K.V. and Mohanan, C. (Peechi, India)
Differential phytotoxic response of cut shoots of eucalypts to culture filtrates of pink disease fungus, *Corticium salmonicolor* 97
Smith, D., *see* Felker, P. et al.
Sterba, H. (Wien, Austria)
Increment losses by full-tree harvesting in Norway spruce (*Picea abies*) 283
Tsiouvaras, C.N. (Thessaloniki, Greece)
Long-term effects of clipping on production and vigor of kermes oak (*Quercus coccifera*) 159
Ulrich, B., *see* Krzak, J. et al.
Väisänen, H., *see* Kellomäki, S. and Väisänen, H.
Vouzaras, A., *see* Nakos, G. and Vouzaras, A.
Wiesman, C., *see* Felker, P. et al.
Wood, P.J. (Nairobi, Kenya)
Agroforestry and decision-making in rural development 191
Zedaker, S.M., *see* Zutter, B.R. and Zedaker, S.M.
Zutter, B.R. (Auburn, AL, U.S.A.) and Zedaker, S.M. (Blacksburg, VA, U.S.A.)
Short-term effects of hexazinone applications on woody species diversity in young loblolly pine (*Pinus taeda*) plantations 183

Subject Index

Acid deposition, *see* Environmental conditions
Agroforestry
  Agroforestry and decision-making in rural development 191
  Amazonian rain forest (book review) 315
  Professional education in agroforestry (book review) 225
Albizia spp.
  Botryodiplodia in plantations of *Albizia* 43
Aluminium, *see* Nutrient dynamics
Bioassay, *see* Sampling techniques
Botryodiplodia, *see* Pests, weeds and diseases
Breeding, *see* Genetics
Corticium, *see* Pests, weeds and diseases
Economics
  Investment, reinvestment, and social discount rate 293
Ecosystem development
  Lowland rainforest composition and structure in Nigeria 247
Environmental conditions
  Acid coniferous forest floor, effect of liming and N-fertilization on denitrification and N_2-fixation 1
  Aluminium-accumulating species in Brazil 15
  Forest soil management (book review) 223
  Mesquite, screening for growth at seawater salinity 169
  Mine sites, recolonisation by mycorrhizal fungi 27
  Photosynthesis, nutrient, growth and soil investigations of declining Norway spruce 263
  Rural development, agroforestry and decision-making in 191
  Semi-arid conditions, comparison of seedling containers on growth of *Prosopis* and *Leucaena* 177
Eucalyptus spp.
  Afforestation, provenances for 127
  Litter, decomposition in karri forest 113
  Mine sites, recolonisation by mycorrhizal fungi 27
  Mycorrhizae, response to 151
  Pink disease fungus, response 97
Fertilization, *see* Nutrient dynamics
Genetics
  Phenotypic selection, genetic effects in white spruce 139
Harvesting, *see* Management techniques
Hevea spp.
  Brazil and the Struggle for Rubber. A Study in Environmental History (book review) 224
Karri, *see Eucalyptus* spp.
Land reclamation, *see* Environmental conditions
Leucaena spp.
  Comparison of seedling containers on growth of *Prosopis* and *Leucaena* in semi-arid conditions 177
Management techniques
  Agroforestry and decision-making in rural development 191

Amazonian Rain Forest: Ecosystem Disturbance and Recovery (book review) 315
Clipping, long-term effects on production of kermes oak 159
Comparison of seedling containers on growth of Prosopis and Leucaena in semi-arid conditions 177
Ectomycorrhizal inoculation, response of eucalypts 151
Full-tree harvesting, increment losses in Norway spruce 283
Investment, reinvestment, and social discount rate 293
Linear programming, long-term management plans for a plantation 203
Properties and Management of Forest Soils (book review) 223
Screening of mesquite for growth at seawater salinity 169
Mesquite, *see Prosopis* spp.
Miombo
Fuelwood production in regrowth miombo woodland 59
Modelling
Fuelwood production in regrowth miombo woodland 59
Long-term management plans for a plantation using linear programming 203
Mycorrhizae
Recolonisation of rehabilitated mine sites by mycorrhizal fungi 27
Response of eucalypts to mycorrhizae 151
Nitrogen, *see* Nutrient dynamics
Nutrient dynamics
Acid coniferous forest floor: effect of liming and N-fertilization on denitrification and N_2-fixation 1
Aluminium-accumulating species in Brazil 15
Budgets of cations and anions in forested watersheds in Greece 85
Litter, decomposition in karri forest 113
Norway spruce, increment losses by full-tree harvesting 283
Norway spruce in decline: photosynthesis, nutrient, growth and soil investigations 263
Properties and Management of Forest Soils (book review) 223
Oak, *see Quercus* spp.
Pests, weeds and diseases
Botryodiplodia in plantations of *Albizia* 43
Pink disease fungus, response of eucalypts 97
Brazil and the Struggle for Rubber. A Study in Environmental History (book review) 224
Photosynthesis
Photosynthesis, nutrient, growth and soil investigations of declining Norway spruce 263
Picea spp.
Norway spruce, increment losses by full-tree harvesting 283
Norway spruce in decline: photosynthesis, nutrient, growth and soil investigations 263
White spruce, genetic effects of phenotypic selection 139
Pine, *see Pinus* spp.
Pinus spp.
Loblolly pine plantations, effects of hexazinone on species diversity 183
Scots pine, dynamics of branch population in canopy 67
Planning, *see* Management techniques
Plantation forestry
Botryodiplodia in plantations of *Albizia* *43*
Eucalyptus provenances for afforestation 127
Loblolly pine plantations, effects of hexazinone on species diversity 183
Management plans, long-term, using linear programming 203

Population dynamics
Dynamics of branch population in canopy of Scots pine 67
Productivity
Clipping, long-term effects on production of kermes oak 159
Eucalypt response to ectomycorrhizal inoculation 151
Eucalyptus provenances for afforestation 127
Fuelwood production in regrowth miombo woodland 59
Growth of *Prosopis* and *Leucaena* in semi-arid conditions, comparison of seedling containers 177
Increment losses by full-tree harvesting in Norway spruce 283
Norway spruce in decline: photosynthesis, nutrient, growth and soil investigations 263
Propagation, *see* Management techniques
Prosopis spp.
Growth at seawater salinity, screening for 169
Growth of *Prosopis* and *Leucaena* in semi-arid conditions, comparison of seedling containers 177
Quercus spp.
Production of kermes oak, long-term effects of clipping 159
Rain forest
Amazonian Rain Forest: Ecosystem Disturbance and Recovery (book review) 315
Lowland rainforest composition and structure in Nigeria 247
Rubber, *see Hevea* spp.
Salinity, *see* Environmental conditions
Sampling techniques
Pink disease fungus, response of eucalypts to 97
Seedlings, *see* Management techniques
Soil conditions, *see* Environmental conditions
Spruce, *see Picea* spp.
Structure and function, community
Loblolly pine plantations, effects of hexazinone on species diversity 183
Lowland rainforest composition and structure in Nigeria 247
Structure and function, organism
Dynamics of branch population in canpoy of Scots pine 67
Taungya, *see* Agroforestry
Variety trials
Eucalypts, response to pink disease fungus 97
Eucalyptus provenances for afforestation 127
Mesquite, screening for growth at seawater salinity 169
Phenotypic selection in white spruce, genetic effects of 139
Recolonisation of rehabilitated mine sites by mycorrhizal fungi 27